

## Electronic Acknowledgement Receipt

|                                             |                                      |
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| <b>EFS ID:</b>                              | 6299257                              |
| <b>Application Number:</b>                  | 10567783                             |
| <b>International Application Number:</b>    |                                      |
| <b>Confirmation Number:</b>                 | 2889                                 |
| <b>Title of Invention:</b>                  | Heat Exchanger                       |
| <b>First Named Inventor/Applicant Name:</b> | Michiko Morita                       |
| <b>Customer Number:</b>                     | 22919                                |
| <b>Filer:</b>                               | David L. Tarnoff/Makiko Suzuki       |
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### File Listing:

| Document Number | Document Description | File Name                 | File Size(Bytes)/<br>Message Digest                | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---------------------------|----------------------------------------------------|------------------|------------------|
| 1               |                      | NS-US055261_IDS wJPOA.pdf | 157536<br>942838be8ed3b141341390e4f48d4431c0d27007 | yes              | 3                |

|                              | Multipart Description/PDF files in .zip description  |                           |                                          |     |    |
|------------------------------|------------------------------------------------------|---------------------------|------------------------------------------|-----|----|
|                              | Document Description                                 |                           | Start                                    | End |    |
|                              | Transmittal Letter                                   |                           | 1                                        | 2   |    |
|                              | Information Disclosure Statement (IDS) Filed (SB/08) |                           | 3                                        | 3   |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
| Information:                 |                                                      |                           |                                          |     |    |
| 2                            | NPL Documents                                        | NS-US055261-transJPOA.pdf | 177100                                   | no  | 3  |
|                              |                                                      |                           | e249708ce1e4aaea0a9e2657b5c0701770fe920d |     |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
| Information:                 |                                                      |                           |                                          |     |    |
| 3                            | Foreign Reference                                    | JP-U-H02-90321.pdf        | 49101                                    | no  | 2  |
|                              |                                                      |                           | 205a51666e4c6623c4df1be2940d18d62ef883c6 |     |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
| Information:                 |                                                      |                           |                                          |     |    |
| 4                            | Foreign Reference                                    | JP-A-2001-136756.pdf      | 1603163                                  | no  | 20 |
|                              |                                                      |                           | 0d02ffa72b4b78a71a7a606b540f3d642cbt9bcb |     |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
| Information:                 |                                                      |                           |                                          |     |    |
| 5                            | Foreign Reference                                    | JP-A-2002-4860.pdf        | 879782                                   | no  | 13 |
|                              |                                                      |                           | aea0d64344a53bd1cf17aaa6c04a3f43111434c0 |     |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
| Information:                 |                                                      |                           |                                          |     |    |
| 6                            | Foreign Reference                                    | JP-A-2003-118396.pdf      | 729906                                   | no  | 11 |
|                              |                                                      |                           | e32a0f11c19da5e91c8bd3f632a278f445e72885 |     |    |
| Warnings:                    |                                                      |                           |                                          |     |    |
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**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

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